

**Amendments to the Claims:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims:**

Claim 1 (currently amended): An isolated nucleic acid comprising a nucleotide sequence encoding an *A. fumigatus* polypeptide selected from the group consisting of ~~SEQ ID NO: 22157~~ ~~[[ - ]] SEQ ID NO: 44266~~ SEQ ID NO: 42779.

Claim 2 (original): A recombinant expression vector comprising the nucleic acid of claim 1 operably linked to a transcription regulatory element.

Claim 3 (currently amended): An isolated host cell comprising a recombinant expression vector of claim 2.

Claim 4 (original): A method for producing an *A. fumigatus* polypeptide comprising culturing a cell of claim 3 under conditions that permit expression of the polypeptide.

Claim 5 (currently amended): An isolated nucleic acid comprising a nucleotide sequence encoding an *A. fumigatus* polypeptide or a fragment thereof, said nucleic acid selected from the group consisting of ~~SEQ ID NO: 1~~ ~~[[ - ]] SEQ ID NO: 22156~~ SEQ ID NO: 20623.

Claim 6 (original): A recombinant expression vector comprising the nucleic acid of claim 5 operably linked to a transcription regulatory element.

Claim 7 (currently amended): An isolated host cell comprising a recombinant expression vector of claim 6.

Claim 8 (original): A method for producing an *A. fumigatus* polypeptide comprising culturing a cell of claim 7 under conditions that permit expression of the polypeptide.

Claim 9 (currently amended): An isolated probe comprising a nucleotide sequence consisting of at least ~~[[eight]]~~ forty contiguous nucleotides of a nucleotide sequence selected from the group consisting of ~~SEQ ID NO: 1~~ ~~[[ - ]]~~ ~~SEQ ID NO: 22156~~ SEQ ID NO: 20623.

Claim 10 (currently amended): An isolated nucleic acid comprising a nucleotide sequence of at least ~~[[eight]]~~ forty contiguous nucleotides in length, wherein the sequence is hybridizable to a nucleic acid having a nucleotide sequence selected from the group consisting of ~~SEQ ID NO: 1~~ ~~[[ - ]]~~ ~~SEQ ID NO: 22156~~ SEQ ID NO: 20623.

Claim 11 (withdrawn): A vaccine composition for prevention or treatment of an *A. fumigatus* infection comprising an effective amount of a nucleic acid of claim 5 and a pharmaceutically acceptable carrier.

Claim 12 (withdrawn): A vaccine composition of claim 11, further comprising an adjuvant.

Claim 13 (withdrawn): A vaccine composition of claim 11, further comprising one or more additional active ingredients.

Claims 14-28 (cancelled)